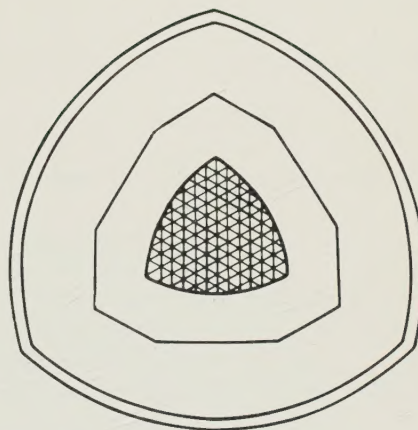
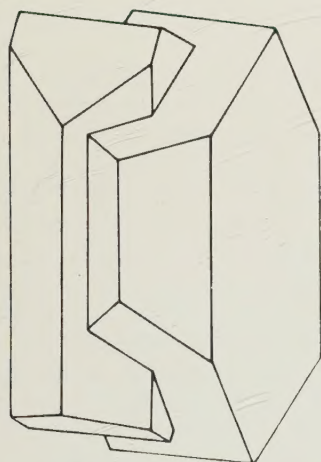


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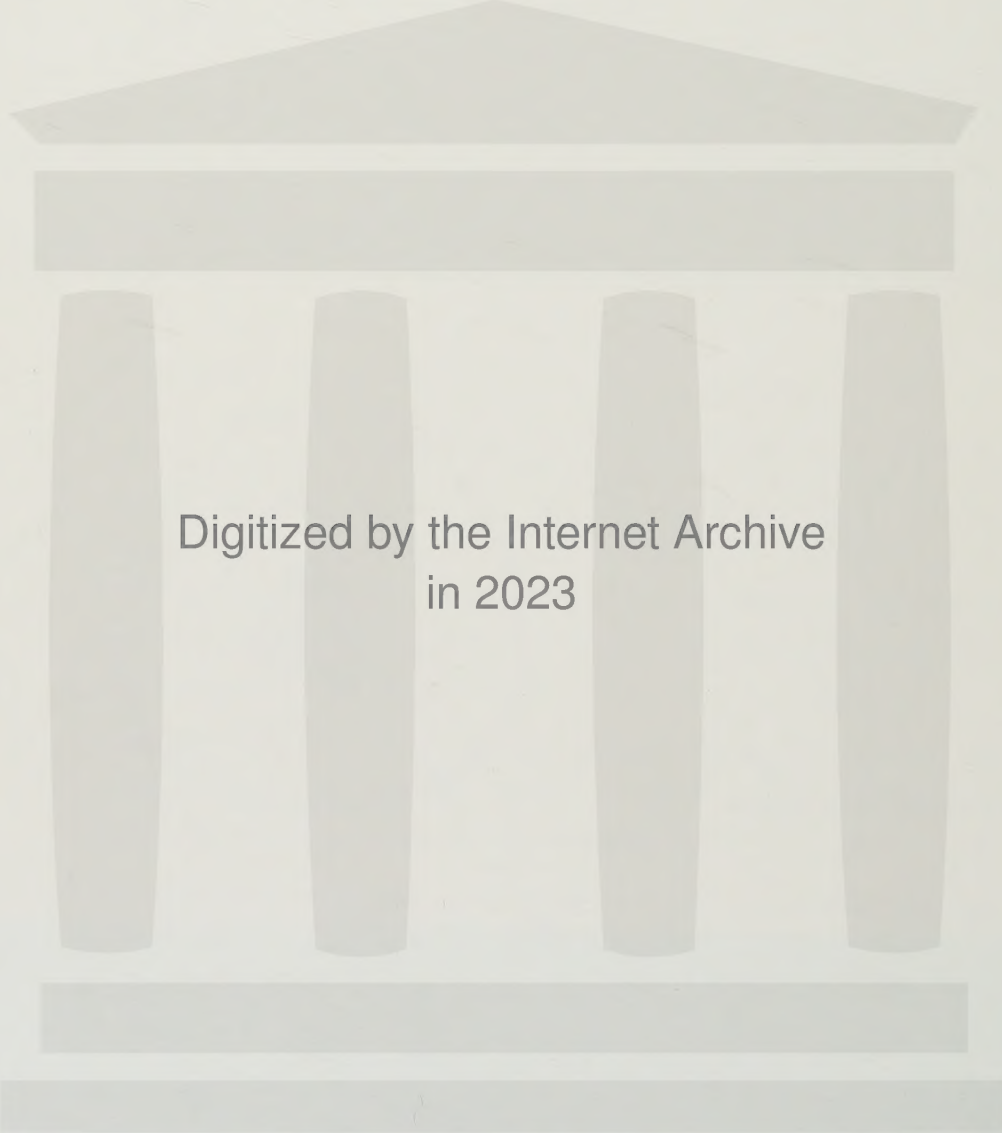
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MINERALOGICAL ABSTRACTS

VOLUME 43

1992

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PUBLISHED JOINTLY BY

THE MINERALOGICAL SOCIETY OF GREAT BRITAIN AND THE MINERALOGICAL SOCIETY OF AMERICA

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ERRATA

Mineralogical Abstracts, Vol. 43, 1992

92M/0877	text, line 1: <i>for Alluaiv read Alluaiv</i>	92M/3437	text, line 1: <i>for Kakum read Kakun</i>
92M/1195	citation: <i>for J. J. Kisch read H. J. Kisch</i>	92M/3853	text, lines 8: <i>for cumengéite read cumengite</i>

ORGANIZATION OF ABSTRACTS

Arising from a decision taken at the meeting of the INTERNATIONAL MINERALOGICAL ASSOCIATION in Copenhagen in 1961 the Mineralogical Societies of America and Great Britain agreed to issue a joint statement to National Societies adhering to the Association inviting each Society to organize contributions of abstracts of papers published in the journals of its country on subjects relevant to *Mineralogical Abstracts*. This invitation was issued and has brought a gratifying response. Members of Societies which have agreed to co-operate in this way are entitled to receive *Mineralogical Abstracts* for their personal use at a reduced rate of subscription on application, *which must be made through their National Society*. The countries now co-operating include: AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CZECHOSLOVAKIA, DENMARK, FINLAND, FRANCE, GERMANY, INDIA, ISRAEL, ITALY, JAPAN, NETHERLANDS, NEW ZEALAND, NORWAY, PAKISTAN, PORTUGAL, SOUTH AFRICA, SPAIN, SWEDEN, SWITZERLAND, TURKEY.

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ABBREVIATIONS AND SYMBOLS

used in the text of abstracts

M.M. ... Mineralogical Magazine : M.A. ... Mineralogical Abstracts : A.M. ... American Mineralogist

CHEMICAL & PHYSICAL CHEMICAL

atomic absorption spectrophotometry	...	AAS
before present	...	B.P.
cation-exchange capacity	...	c.e.c.
concentrated	...	conc.
differential thermal analysis	...	DTA
dilute	...	dil.
energy dispersive analysis	...	EDA
electron probe microanalysis	...	EPMA
ethylenediaminetetra-acetic acid	...	EDTA
fugacity	...	<i>f</i>
gas chromatography	...	GC
heat of formation (absolute temperature subscript)	...	ΔH_f
hydrogen ion conc. acidity	...	pH
inductively coupled plasma	...	ICP
initial ratio, e.g.	...	i_{sr}
insoluble residue	...	insol. res.
isotopes, e.g.	...	^{40}Ar , ^{40}K
isotope ratio, e.g.	...	$\delta^{18}\text{O}$
isotope ratio normalised to chondrite, e.g.	...	ϵ_{Nd}
large ion lithophile	...	LIL
loss on ignition	...	ign. loss
mid-ocean ridge basalt	...	MORB
milliequivalent	...	me.
mass absorption spectrometry	...	MAS
mass spectrometry	...	MS
microgram	...	μg
million years	...	m.y.
neutron activation analysis	...	NAA
not determined	...	n.d.
not found	...	nt. fd.
nuclear magnetic resonance	...	NMR
parts per billion (10^{-9})	...	ppb
parts per million	...	ppm
parts per trillion (10^{-12})	...	ppt
platinum group elements, minerals	...	PGE, M
rare earth elements	...	REE
standard mean ocean water	...	SMOW
strength of solution, normal	...	<i>N</i>
—, molar	...	<i>M</i>
substances in ionic state	...	
anions, e.g.	...	Cl^- , SO_4^{2-}
cations, e.g.	...	K^+ , Fe^{3+}
thermogravimetric analysis	...	TGA
thousand years	...	k.y.
trace	...	tr.
X-ray powder diffraction	...	XRD
X-ray fluorescence analysis	...	XRF

CRYSTALLOGRAPHIC & STRUCTURAL

Ångstrom unit (10^{-8} cm)	...	Å
crystal axes	...	<i>a</i> , <i>b</i> , <i>c</i>
— face indices	...	(hkl)
— form indices	...	{hkl}
— zone indices	...	[hkl]
indices of X-ray diffractions	...	hkl
intensity	...	<i>I</i>
— relative	...	I/I_0
interplanar spacing	...	<i>d</i>
mica structural polymorphs	...	1 M ₁ , 2 M
unit cell, formula units	...	<i>Z</i>
—, repeat distances	...	<i>a</i> , <i>b</i> , <i>c</i>
—, reciprocal lattice length of edges	...	a^* , b^* , c^*
—, interaxial angles direct lattice	...	α , β , γ
—, — reciprocal lattice	...	α^* , β^* , γ^*

OPTICAL

dispersion, e.g.	...	$r > v$
extinction angle, e.g.	...	γ_c
infrared	...	IR
optic axial angle	...	2V
—, plane	...	O.A.P.
refractive index in text	...	refr. ind.
— of isotropic minerals	...	<i>n</i>
refractive indices	...	
of uniaxial mineral	...	ω , ϵ
of biaxial mineral	...	α , β , γ
scanning electron microscopy	...	SEM
transmission electron microscopy	...	TEM
sign of biaxiality	...	
negative	...	$2V_\alpha$ or —
positive	...	$2V_\gamma$ or +
ultraviolet	...	UV

PHYSICAL

calculated	...	calc.
cathodoluminescence	...	CL
cycles per second	...	c/s
degree centigrade	...	$^{\circ}\text{C}$
degrees absolute	...	K
density	...	<i>D</i> (quote units)
electron paramagnetic resonance	...	e.p.r.
hardness	...	H.
kilobar (0.1 GPa)	...	kbar
melting point	...	m.p.
micron (10^{-3} mm)	...	μm
nanometre (10^{-6} mm)	...	nm
natural remanent magnetization	...	n.r.m.
Ohm	...	Ω
pressure(s)	...	<i>P</i>
soluble	...	sol.
specific gravity, terms of reference not known	...	sp.gr.
temperature(s)	...	<i>T</i>
thermoluminescence	...	TL
Vickers hardness number	...	VHN
wavelength	...	λ

SYMBOLS

approximately equal to	...	~
equal to	...	=
equal to or greater than	...	>
equal to or less than	...	<
equilibrium	...	⇌
greater, less than	...	>, <
much greater, less than	...	>>, <<
parallel to	...	
per cent	...	%
per mille	...	‰
perpendicular to	...	⊥
proportional to	...	∝

GEOGRAPHICAL

East Pacific rise	...	EPR
mid-Atlantic ridge	...	MAR
east, eastern	...	E
north, northern	...	N
south, southern	...	S
west, western	...	W

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